



Please type a plus sign (+) inside this box → ☐

PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheet as necessary)		<b>Complete if Known</b>	
		<b>Application Number</b>	10/630,594
		<b>Filing Date</b>	July 23, 2003
		<b>First Named Inventor</b>	Rudolf Braun
		<b>Group Art Unit</b>	
<b>Examiner Name</b>		<b>Attorney Docket Number</b>	091-0187 (02-0178)
<b>Sheet</b>	1	<b>of</b>	4

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number – Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
[Signature]		US- 6,799,619	10-05-2004	Holmes et al.	
		US- 6,692,681	02-17-2004	Lunde	
		US- 6,648,273	05-01-2003	Anast	
		US- 6,480,271	11-21-2002	Cloud et al.	
		US- 6,451,152	09-17-2002	Holmes et al.	
		US- 6,390,169	05-21-2002	Johnson	
		US- 6,364,250	04-02-2002	Brinck	
		US 6,205,239	03-20-2001	Lin et al.	
		US- 6,168,358	01-02-2001	Engwall et al.	
		US- 6,112,792	09-05-2000	Barr et al.	
		US- 6,086,696	07-11-2000	Gallagher	
		US- 6,074,716	06-13-2000	Tsotsis	
		US- 6,045,651	04-04-2000	Kline et al.	
		US- 6,013,341	01-11-2000	Medvedev et al.	
		US- 6,012,883	01-11-2000	Engwall et al.	
		US- 5,979,531	11-09-1999	Barr et al.	
		US- 5,963,660	10-05-1999	Koontz et al.	
		US- 5,871,117	02-16-1999	Protasov et al.	
		US- 5,814,386	09-29-1998	Vasiliev et al.	
		US- 5,804,276	09-08-1998	Jacobs et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
[Signature]		DE 20 53 427 A	05-13-1971	Herd Und Ofenfabrik Koloseus		
		EP 0 198 744 A	10-22-1986	Aerospatiale		
		EP 046 015 A	02-17-1982	Albany Int Corp		

<b>Examiner Signature</b>	[Signature]	<b>Date Considered</b>	11/5/05
-------------------------------	-------------	----------------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent documents. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box → +

PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB 0851-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheet as necessary)</i>				<b>Complete if Known</b>	
				<b>Application Number</b>	10/630,594
				<b>Filing Date</b>	July 23, 2003
				<b>First Named Inventor</b>	Rudolf Braun
				<b>Group Art Unit</b>	
				<b>Examiner Name</b>	
<b>Sheet</b>	<b>2</b>	<b>of</b>	<b>4</b>	<b>Attorney Docket Number</b>	091-0187 (02-0178)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number – Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
SAJ		US- 5,746,553	05-05-1998	Engwall	
		US 5,700,337	12-23-1997	Jacobs et al.	
		US- 5,683,646	11-04-1997	Reiling, Jr.	
		US- 5,651,600	07-29-1997	Dorsey-Palmateer	
		US- 5,540,126	07-30-1996	Piramoon	
		US- 5,450,147	09-12-1995	Dorsey-Palmateer	
		US- 5,439,549	08-08-1995	Fryc et al.	
		US- 5,337,647	08-16-1994	Roberts et al.	
		US- 5,058,497	10-22-1991	Bishop et al.	
		US- 5,024,399	06-18-1991	Barquet	
		US 4,941,182	07-10-1990	Patel	
		US- 4,877,471	10-31-1989	McCowin et al.	
		US- 4,830,298	05-16-1989	Van Blunk	
		US- 4,790,898	12-13-1988	Woods	
		US- 4,780,262	10-25-1988	Von Volkli	
		US 4,760,444	07-26-1988	Nielson et al.	
		US- 4,699,683	10-13-1987	McCowin	
		US- 4,693,678	09-15-1987	Von Volkli	
		US- 4,608,220	08-26-1986	Caldwell	
		US- 4,548,859	10-22-1985	Kline et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

<b>Examiner Signature</b>		<b>Date Considered</b>	11/05/05
-------------------------------	--	----------------------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent documents. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box → +

PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB C651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheet as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/630,594
				Filing Date	July 23, 2003
				First Named Inventor	Rudolf Braun
				Group Art Unit	
				Examiner Name	
Sheet	3	of	4	Attorney Docket Number	091-0187 (02-0178)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
JH		US- 4,310,132	01-12-1982	Frosch	
		US- 4,064,534	12-20-1977	Chen et al.	
		US- 3,879,245	04-22-1975	Fetherson, et al.	
		US 3,692,601	09-19-1972	Hardesty et al.	
		US- 2002/0141632	10-03-2002	Engelbart et al.	
		US- 10/851,381			
		US 10/846,974	05-14-2004	Engelbart et al.	
		US- 10/822,538	03-12-2004	Engelbart et al.	
		US- 10/799,306		Engelbart et al.	
		US- 10/726,099		Engelbart et al.	
		US- 10/717,030		Johnson et al.	
		US- 10/661,148		Engelbart et al.	
		US- 10/646,509		Johnson et al.	
		US- 10/646,392		Engwall et al.	
		US- 10/646,316		New et al.	
		US- 10/628,691		Engelbart et al.	
		US- 10/301,949		Nelson	
		US- 10/217,806		Engelbart et al.	
	US- 10/068,735		Engelbart et al.		
	US- 11/001,803		Zaballos et al.		
	US 11/005,667		Lum et al.		

[illegible]

Examiner Signature	<i>[Signature]</i>	Date Considered	11/5/05
-----------------------	--------------------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent documents. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box → +

PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheet as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/630,594
		Filing Date	July 23, 2003
		First Named Inventor	Rudolf Braun
		Group Art Unit	
		Examiner Name	
Sheet	4	of	4
		Attorney Docket Number	091-0187 (02-0178)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		<a href="http://www.cinmach.com/WolfTracks4_1/MTG_WT7.htm">http://www.cinmach.com/WolfTracks4_1/MTG_WT7.htm</a> ; Premier I Features Lighter, Stronger All-Composite Fuselage, 3 pages	
		<a href="http://www.cinmach.com/compnews/PressReleases/pr00-11.htm">http://www.cinmach.com/compnews/PressReleases/pr00-11.htm</a> ; Raytheon Aircraft Orders Four More Fiber Cinnati Fiber Placement Systems for Industry's First Composite-Fuselage Business Jets, 2 pages	
		<a href="http://www.rockymountaincomposites.com/wind_sys.htm">http://www.rockymountaincomposites.com/wind_sys.htm</a> ; Filament Winding, 2 pages	
		FIEDLER, L., et al., "Tango Composite Fuselage Platform", SAMPE Journal, Vol. 39, No. 1, January/February 2003, 1 page	
		BAe 146, Flight International, May 2, 1981, 2 pages	
		A Barrellful of Experience, Intervia, May 1992, 2 pages	
		Raytheon, March 2000, Vol. 4, No. 2, <a href="http://www.cts.com/king/vasci/newsletter/vol42.html">http://www.cts.com/king/vasci/newsletter/vol42.html</a> , 2 pages	
		Business Aviation, June 7, 2002, <a href="http://www.aviation.com/avnow/news/channel/busav.jsp?view=story&amp;id=news/btoyo0607.xml">http://www.aviation.com/avnow/news/channel/busav.jsp?view=story&amp;id=news/btoyo0607.xml</a> , 1 page	
		Beechcraft's Composite Challenge, <a href="http://www.aerotalk.com/beech.cfm">http://www.aerotalk.com/beech.cfm</a> , 2 pages	
		EVANS, Don O., "Fiber Placement", 3 pages, Cincinnati Machine, pages 477-479	
	AZCO CORP., <a href="http://www.azcocorp.com/products/sur-cut-quillotine-knife-assemblies.php">http://www.azcocorp.com/products/sur-cut-quillotine-knife-assemblies.php</a> , "SUR-CUT™ GUILLOTINE KNIFE ASSEMBLIES", 2004, Azco Corp., Fairfield, NJ, USA, 2 pages		
	"Mobility Solutions" ("Wheel Units"), <a href="http://www.maxmove.se/">http://www.maxmove.se/</a> , (August 2004) © MaxMove AB, Bjurholm, Sweden, 1 page		

Examiner Signature		Date Considered	11/5/05
-----------------------	--	--------------------	---------

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231